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Montana Commercial

Feed / Fertilizer Report

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License & Registration Totals

Feed Program

	Issued as of:				
	8/03	7/04	8/05	12/06	7/07
Feed Licenses	621	629	651	667	669
Companies w/ Registrations	149	145	162	193	184
Pet Food Registrations	3512	3382	4076	4393	4161

Fertilizer Program

	Issued as of:				
	7/03	8/04	8/05	12/06	7/07
Fertilizer Licenses	232	249	237	256	274
Fertilizer Registrations - Companies	182	190	212	238	245
Specialty Products	1155	1417	1380	1607	1660
Commercial Fertilizers	359	357	360	433	529
Soil Amendments	157	202	249	291	323

Feed Sample and Analyte History

Year	Samples Taken	Out of Tolerance	% Out of Tolerance
1985	406	106	26.1
1986	290	50	17.2
1987	265	60	22.6
1988	280	57	20.4
1989	293	50	17.1
1990	310	54	17.4
1991	241	43	17.8
1992	335	76	22.7
1993	272	71	26.1
1994	312	89	28.5
1995	237	38	16.0
1996	235	77	32.8
1997	264	99	37.5
1998	296	125	42.2
1999	286	88	30.8
2000	266	71	26.7
2001	289	90	31.1
2002	258	87	33.7
2003	257	38	14.8
2004	267	37	13.9
FY 2005*	301	67	22.3
FY 2006	319	58	18.2
FY 2007	327	61	18.7

* 22 additional samples analyzed for animal tissue only

FY 2007 Feed Analyte Breakdown

Nutrient	Number of Analyses	Out of Tolerance	% Out of Tolerance
Protein	299	19	6.4
NPN	3	1	33.3
Fiber	23	0	0
Fat	56	2	3.6
Moisture	62	0	0
Calcium	245	11	4.5
Phosphorus	243	2	0.8
Salt	127	22	17.3
Vitamin A	149	2	1.3
Magnesium	47	0	0
Potassium	80	7	8.8
Zinc	94	2	2.1
Iron	18	0	0
Selenium	102	1	1
Copper	105	2	1.9
Manganese	33	0	0
Sodium	9	0	0
Lysine	58	0	0
Methionine	26	0	0
Amprolium	4	0	0
Chlortetracycline	13	0	0
Lasalocid	18	0	0
Oxtetracycline	3	0	0
Monensin	19	0	0
Sulfamethazine	4	0	0
Total	1840	71	3.9

MONTANA COMMERCIAL FEED REPORTED
2006

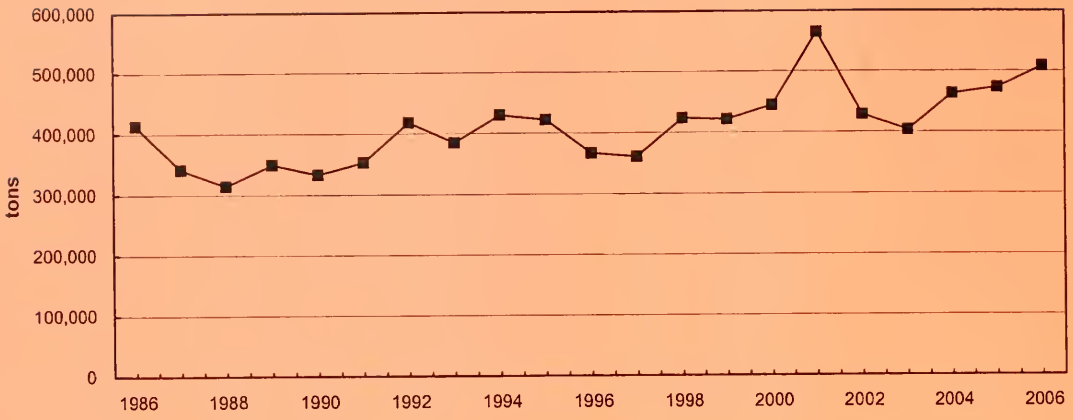
Formula Feeds		Tons
Broiler Feeds	Complete	1,087
	Supplement	6
Turkey Feeds	Complete	182
	Supplement	2
Starter / Grower	Complete	575
	Supplement	1,131
Layer / Breeder	Complete	3,233
	Supplement	308
Beef Feeds	Complete	117,010
	Supplement	62,560
Dairy Feeds	Complete	9,319
	Supplement	9,265
Swine Feeds	Complete	9,872
	Supplement	1,366
Sheep Feeds	Complete	4,061
	Supplement	1,997
Horse Feeds	Complete	17,378
	Supplement	1,334
Mineral Feeds		8,267
Rabbit Feeds		935
Mineralized Salt		2,468
Miscellaneous		10,772
Formula Feeds Total		**263,128**

Feed Ingredients	Tons
Alfalfa Products	6,482
Animal Products	
Barley Products	4,268
Beet Products	61,814
Brewer Products	1,463
Canola Products	1,307
Cottonseed Products	8
Drug Products	454
Fats & Oils	536
Linseed Products	623
Maize Products	22,560
Marine Products	138
Meat Products	170
Milk Products	126
Mineral Products	31,821
Molasses	18,698
Oat Products	656
Probiotic/Yeast	141
Safflower Products	3,165
Soybean Products	29,859
Sunflower Products	372
Urea	69
Vitamin Products	273
Wheat Products	55,086
Misc. Ingredients	4,880
Feed Ingredients Total	**244,969**

Total Commercial Feed: 508,097 tons

FDTNBK2006

Feed Tonnage History



Year	Tonnage
1986	413,452
1987	341,579
1988	314,336
1989	349,280
1990	332,997
1991	352,762
1992	418,090
1993	384,607
1994	429,600
1995	421,846
1996	366,756
1997	360,971
1998	423,573
1999	421,607
2000	444,344
2001	565,070
2002	428,639
2003*	402,973
2004	462,953
2005	472,997
2006	508,097

* adjusted after the 2003 report was published and receiving delinquent tonnage reports

Fertilizer Sample and Analyte History

Year	Number of Samples Taken	Number of Samples Deficient	Percent Samples Deficient
1991	142	18	12.7
1992	107	21	19.6
1993	89	18	20.2
1994	172	21	12.2
1995	216	31	14.4
1996	208	23	11.1
1997	124	18	14.5
1998	172	27	15.7
1999	215	31	14.4
2000	215	37	17.2
2001	222	26	11.7
2002	220	26	11.8
2003	218	27	12.4
2004	214	24	11.2
FY2005	221	24	10.9
FY2006	205	21	10.2
FY2007	216	20	9.3

FY 2007 Fertilizer Analyte Breakdown

Nutrient	Number Analyzed	Number Deficient	Percent Deficient
Nitrogen	185	7	3.8
Phosphate	121	6	5
Potash	77	4	5.2
Calcium	2	2	100
Sulfur	44	1	2.3
Copper	3	0	0
Iron	8	0	0
Manganese	4	0	0
Magnesium	3	0	0
Zinc	8	0	0
Arsenic*	35	0	0
Cadmium*	35	0	0
Lead*	35	0	0
Total	560	20	3.6

* Trace metals tested for maxumum level allowed

MONTANA DEPARTMENT OF AGRICULTURE
FERTILIZER SOLD IN MONTANA
Reported by Montana Agricultural Statistic Districts

JANUARY - JUNE 2006

FERTILIZER	NORTH WEST	SOUTH WEST	NORTH CENTRAL	CENTRAL	SOUTH CENTRAL	NORTH EAST	SOUTH EAST	TOTAL
Anhydrous Ammonia	0	0	2238	387	0	5694	549	8,868
Ammonium Nitrate	178	8517	87	564	1046	0	434	10,826
Ammonium Sulfate	1419	2944	4862	3900	1959	3425	228	18,737
Urea	3722	9007	77511	30858	8536	44089	4441	178,164
Ammonium Thiosulfate	0	129	48	249	58	26	0	510
Nitrogen Sols. 32%	21	1142	202	1442	2156	0	140	5,103
Nitrogen Sols. 28%	0	593	3227	225	180	3453	31	7,709
Phosphorus Material	25	0	59	0	0	0	0	84
Potash Material	1595	3083	8170	3055	1154	2171	917	20,145
Sulfur	40	160	29	478	114	3	0	824
DAP	419	871	2313	358	409	3808	1070	9,248
MAP	1186	6499	28957	9399	2918	25082	2803	76,844
APS 16-20-0	1203	4320	3102	1018	970	310	145	11,068
10-34-0	0	265	1368	129	161	1248	19	3,190
OTHER BLENDS	19	0	348	333	43	52	0	795
MICRONUTRIENTS	39	94	404	6	31	10	26	610
GYPSUM/LIME	254	29	1	0	2	5	34	325
COMPOST	0	0	0	0	0	0	41	41
TOTALS	10,120	37,653	132,926	52,401	19,737	89,376	10,878	353,091

JULY - DECEMBER 2006

FERTILIZER	NORTH WEST	SOUTH WEST	NORTH CENTRAL	CENTRAL	SOUTH CENTRAL	NORTH EAST	SOUTH EAST	TOTAL
Anhydrous Ammonia	0	0	1897	395	0	1495	505	4,292
Ammonium Nitrate	55	1130	1	201	818	0	0	2,205
Ammonium Sulfate	351	1739	2640	4203	1668	264	177	11,042
Urea	305	2625	43619	19122	17828	14432	1282	99,213
Ammonium Thiosulfate	0	2	46	176	0	0	0	224
Nitrogen Sols. 32%	153	64	289	463	502	0	0	1,471
Nitrogen Sols. 28%	35	204	863	309	72	497	199	2,179
Phosphorus Material	0	0	0	0	17	209	0	226
Potash Material	322	971	6178	3747	1933	1308	270	14,729
Sulfur	41	34	33	237	178	28	1	552
DAP	112	804	109	97	1728	1070	5	3,925
MAP	228	1401	26670	13842	7822	3831	1437	55,231
APS 16-20-0	114	1463	2753	878	301	0	440	5,949
10-34-0	0	86	577	454	19	0	6	1,142
OTHER BLENDS	4	0	717	2046	4	0	0	2,771
MICRONUTRIENTS	37	192	1739	8	278	16	33	2,303
GYPSUM/LIME	55	0	11	0	6	3	4	79
COMPOST	12478	0	0	0	0	0	8	12,486
TOTALS	14,290	10,715	88,142	46,178	33,174	23,153	4,367	220,019

FRTNPK06

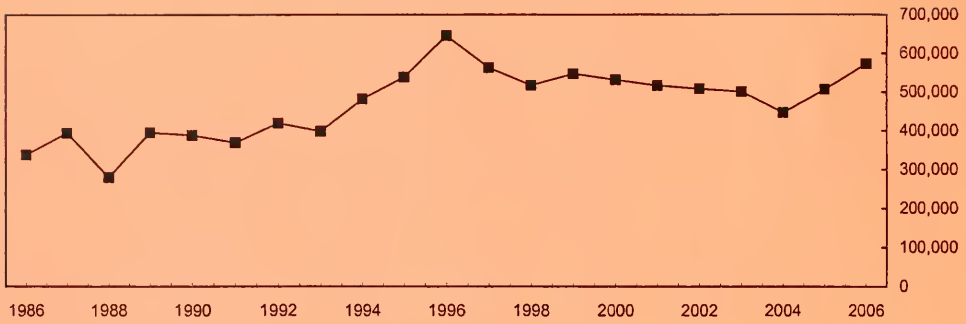
MONTANA DEPARTMENT OF AGRICULTURE
FERTILIZER SOLD IN MONTANA
FOR THE YEAR 2006

FERTILIZER	JAN.-JUN. 2006	JULY-DEC. 2006	YEARLY TOTALS
Anhydrous Ammonia	8,868	4,292	13,160
Ammonium Nitrate	10,826	2,205	13,031
Ammonium Sulfate	18,737	11,042	29,779
Urea	178,164	99,213	277,377
Ammonium Thiosulfate	510	224	734
Nitrogen Sols. 32%	5,103	1,471	6,574
Nitrogen Sols. 28%	7,709	2,179	9,888
Phosphorus Material	84	226	310
Potash Material	20,145	14,729	34,874
Sulfur	824	552	1,376
DAP	9,248	3,925	13,173
MAP	76,844	55,231	132,075
APS 16-20-0	11,068	5,949	17,017
10-34-0	3,190	1,142	4,332
OTHER BLENDS	795	2,771	3,566
MICRONUTRIENTS	610	2,303	2,913
GYPSUM/LIME	325	79	404
COMPOST	41	12,486	12,527
TOTALS	353,091	220,019	573,110

FRTNPK06

TOTAL NITROGEN	113,062	61,736	174,798
TOTAL P205	47,788	33,039	80,827
TOTAL K2O	12,087	8,837	20,924

Fertilizer Tonnage History



Year	Tonnage
1986	337,626
1987	393,505
1988	279,616
1989	395,033
1990	387,583
1991	368,868
1992	418,982
1993	397,957
1994	481,300
1995	538,356
1996	645,344
1997	562,292
1998	517,388
1999	546,943
2000	531,414
2001	516,873
2002	508,028
2003	500,941
2004	446,368
2005	506,409
2006	573,110

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